

INTRODUCTION

The synchro amplifier boosts low power synchro transmission to a three phase load of 15 VA, enough to drive multiple CT, CTX, TR and TRX loads. The unit operates efficiently and derives its power from the synchro's 115v reference supply.

The design is robust, protecting itself against short circuits, overload, transients, temperature and reference supply malfunctions.

The picture is for illustration of the enclosure only and does not show an actual SA1700.



SPECIFICATION

INPUT: 115v 400 Hz reference.
90 volts signals. 400 Hz 100K.

OUTPUT: 90v signals +/- 0.1 degree.
Power zero to 15 VA

POWER: 115/230 volts 400 Hz.
Fused. An electrical ground is essential.
Consumption approx 150 mA for the electronics, plus the output loading.

ENCLOSURE: Grey standard bulkhead mounting enclosure with door
50 x 250 x 150mm.

FEATURES: LEDs on input and output, and overload indicator
All connections are removable terminal blocks.
Operating temperature -20 to +55 degrees C.
Optional kick circuit included to help stalled torque receivers drive to their null.
Tuning capacitors are easily fitted to reduce the power required to drive highly inductive control transformers.

ASSOCIATED PRODUCTS: The SA1700 can be supplied for 60 Hz. Aditel manufacture a range of NMEA 0183 to synchro converters, and synchro to digital converters, specialising in interfaces for voyage data recorders.

